

REMARKS

In the Notice of Non-Compliant Amendment, the Examiner has observed that the marked-up copy of the Substitute Specification submitted by Applicant on January 31, 2008 is not indicative of the changes to the original specification.

A replacement Substitute Specification, both in marked up and clean formats, is enclosed herein. The marked-up version shows the deletions and additions to the original specification by striking-through the deleted language and by underlining the added language. The section titles and paragraph numbers that have been inserted have not been underlined.

No new matter has been added.

Conclusion

It is believed that all grounds for objection and rejection have been addressed and that the present application is now in condition for allowance. A notice to that effect is respectfully requested.

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Respectfully submitted,

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PUTTER TYPE GOLF CLUB AND A METHOD OF USING IT~~IT USE~~

FIELD OF THE INVENTION

[0001] The present invention ~~refers relates~~ to a golf club of the so called putter type ~~comprising that includes~~ a cylinder shaped head with a centrally placed vertical hole, through which the shaft is inserted, said shaft, of adjustable length, being appropriately shaped and terminating with a grip formed by two spheres of different diameter, ~~with which have adjustable reciprocal position, positions and which allow provide for an ergonomic grip~~; ~~moreover the invention refers~~ More particularly, the present invention ~~relates~~ to a method of performing the decisive shot on the green, where the player hits the ball in a frontal position with respect to the target (hole), moving said club toward himself in the load phase and subsequently letting the ball be hit by the cylindrical head, with a pendulum like movement, in which said head oscillates between the legs of the player himself.

BACKGROUND OF THE INVENTION

[0001] It is well known the ~~The~~ importance of the grip in performing a hitting shot ~~is well known~~, especially in the case of ~~during~~ a putt when the ball must be holed. For instance, the United States Patent n°No. 5,616,089 describes and claims a method of performing the decisive shot, the so called putt, by means of which it seems possible to control the speed of the stroke and the direction of the shot. ~~[[::]]~~ said ~~This~~ method ~~substantially essentially envisages the grip of gripping~~ the club with the dominant hand and ~~the placement of placing~~ the other hand on the wrist of the dominant hand in order to obtain a certain stabilization of said dominant hand without any appreciable influence on the shot. The shot is performed with the traditional address position, where the body of the golfer is parallel to the oscillation of the club ~~said address~~. Such a position can, however, determine some cause problems even in the stabilization of the stroking hand

or in the trajectory of the ball, when one bears in mind that said ball must be hit with a well-determinedspecific position of the head of the golf club. The

[0002] United States Patent n.-No. 5,090,698, among otherother things, describes a cylindrical shape clubhead, in which the impact area with the ball practically essentially extends through the whole entire length of the cylinder; however, More particularly, the shaft is connected to the head at an end of the cylinder, providing for therefore determining its use with a traditional address, with the consequence of and causing a certain hesitation in controlling the execution of the shot, which is not a minor disadvantage when performing the decisive shot.

BRIEF SUMMARY OF THE INVENTION

[0003] The applicant has now found, and this is the object of the present invention, how to manufacture to provide a putter that allows enables a positive control of the stroke, both in terms of ball speed and direction on the green, and, as

[0004] It is a second object of the present invention, an original method to use to provide a method of using said putter for performing the decisive shot without any of the hesitations and problems that all the means devices known to date do not avoid prevent.

[0005] Therefore a first object of the present invention One embodiment of the invention is a golf club, of the so called putter type, comprising a cylinder that includes a cylindrically shaped head with a vertical semi-through hole or bore placed in the middle of the cylindrical surface, and a second, threaded hole or bore perpendicular to the first hole for the insertion of a screw, a shaft of adjustable length[[.]] (by sliding the shaft in the first hole) is inserted in the first hole, with the and has a first portion inserted in said hole vertically and orthogonally relative to said head and comprising further has portions, one opposite the other, folded and bent at an angle relative to the first vertical portion, the with an upper angled portion terminating with an end, which is parallel to the ground when the club is in its position of use, said end in its turn supporting and which supports the grip formed by two spheres of different diameter which allow so to provide an ergonomic grip, with the. The internal sphere is capable of sliding along the shaft in order to allow the regulation of the grip itself; moreover, weights. Weights can

appropriately be added to the head, because said the head can be manufactured with internal symmetrical slots suitable for the insertion of filling elements with various weight values.

BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWINGS

[0006] Figure 1 is a perspective view of a first embodiment of a golf club according to the present invention.

[0007] Figure 2 is a perspective view of the head of a golf club according to a second embodiment of the invention.

[0008] Figure 3 is a perspective view of the head of Figure 2 with a weight added.

[0009] Figure 4 is a perspective view of the grip of a golf club of Figure 1.

[0010] Figures 5 and 6 are additional views of the grip of Figure 4.

[0011] Figure 7 illustrates the assembly of the head and the shaft of the golf club of Figure 1.

[0012] Figure 8 is a schematic view of the impact of a golf club according to the present invention with a golf ball.

[0013] Figure 9 illustrates the grip of a golf club according to the present invention.

[0014] Figures 10 and 10' show the positioning of the body of the golfer as seen from a side and frontally.

[0015] Figures 11/11' - 12/12' - 13/13' exemplify the movement preceding and accompanying a golf shot when using a club according to the present invention.

[0016] Figures 14 and 15 show different stroke positions according to the present invention and the prior art.

DETAILED DESCRIPTION OF EMBODIMENTS OF THE INVENTION

[0017] Figure 1 shows the full drawing a full view of an embodiment of the golf club according to the present invention, where the cylindrical head 10, the shaft with the vertical and angled portions 11 and the grip formed by two spheres of different diameter 12 and 12', inserted in a part intended to remain horizontal when the head is laying on the green are clearly shown: in the drawing. In Figure 1, said head is shown as solid, but said head could appropriately be manufactured (figures Figures 2 and 3) with its

special slots 13 for placing symmetrical weights 14 in order to allow the provide a weight regulation adjustment. Moreover, the second threaded hole 15 for the insertion of a screw could also be placed in any other position[[,]] on the cylindrical head.

[0018] Figures 4, 5, 6 show the detail details of the grip and of the sliding of the internal sphere 12' along the shaft.

[0019] Figure 7 exemplifies the realization structure of the head, in which are clearly shown: the insertion of. More particularly, Figure 7 shows that the end of the shaft is inserted in the vertical semi-through hole or bore 20 and the manner in which that the horizontal threaded hole 15 for the insertion of a screw 16 - which blocks the system and acts at the same time as a reference for the impact with the ball - is centrally placed. With said hole in a different position, the reference for the impact with the ball is given directly by the point of insertion of the shaft.

[0020] Moreover, loosening the screw allows the head of the putter to slide along the shaft until it reaches the desired length: the. The regulation of the height of the shaft thus allows the club to be easily adjusted for use by players of different heights, and undoubtedly represents an advantage, which adds to the cylindrical shape of the head, allowing to hit enabling contact with the ball on any point on said head, even on a point different from the so called reference point, without any loss, for the golfer, in terms of shot speed and direction.

[0021] Figure 8 is a schematic drawing of the impact between the putter and the ball: the first, wherein the putter hits the upper part of the second ball creating a top-spin effect that eases the rolling of the ball.

[0022] The shot is performed by the player according to a method, itself also an object of the present invention, which comprises the following operations by part of steps by the golfer himself:

- positioning the body frontally with respect to the hole;
- gripping the putter grip with both hands;
- positioning the feet apart from each other and while holding the knees slightly bent;

- positioning the arms, with the hands on the grip, so that the head of the club is next to the ball;
- positioning the head of the player perpendicular on the ball;
- loading the putter with a pendulum like movement using the shoulders as a pivot and the head of the putter as the mass; and
- oscillation efoscillating the putter between the legs and hit on hitting the ball with the long part of the cylindrical head of the putter.

[0023] Figure 9 shows the grip of the putter with both hands; figures - while Figures 10 and 10' show the positioning of the body of the golfer in profile as seen from a side and frontally.

[0024] The sequence of figures Figures 11/11' - 12/12' - 13/13' exemplifies the movement which precedes and accompanies the shot, while figures Figures 14 and 15 show the difference in positiondifferent positions according to the present invention (A) and the traditional address (B).

ABSTRACT OF THE DISCLOSURE

[0025] A-In one embodiment, a golf club of the so called putter type comprising includes a cylinder shaped head (10) with having a vertical semi-through hole (15) placed in the middle of the cylindrical surface, a second threaded hole perpendicular to the first one-hole for the insertion of a screw-(16), and a shaft-(11) of adjustable length inserted in the first hole, with the. The shaft includes a first portion inserted in said semi-through hole, vertically and orthogonally relative to said head, and further includes comprising portions[[.]] that are one opposite to the other, folded and bent at an angle in relation to the first vertical portion, of which an the angled upper portion terminating with an end which is disposed parallel to the ground when the club is in its position of use, said end in its turn supporting the-a grip formed by two spheres (12,12') of different diameterdiameters, with the inner sphere (12') capable of sliding configured to slide along the shaft.